AMSAT News Service Weekly Bulletins
Issue: ANS-193
Date: 1992-07-11
Sources: amsat-ans-1992-ans-193.txt

SB SAT @ AMSAT $ANS-193.01
PRELIMINARY KEPS FOR KITSAT-A

HR AMSAT NEWS SERVICE BULLETIN 193.01 FROM AMSAT HQ
SILVER SPRING, MD JULY 11, 1992 BID: $ANS-193.01
TO ALL RADIO AMATEURS BT

G0/K8KA Provides Preliminary Keplerian Elements For KITSAT-A

Jeff Ward (G0/K8KA) has provided an initial keplerian element set for the next University of Surrey (UoS) OSCAR satellite known as KITSAT-A. The launch is presently scheduled for August 11, 1992 aboard an ARIANE-4 from the Kourou, French Guiana spaceport. A complete description of KITSAT-A can be found in AMSAT News Service (ANS) bulletins $ANS-116.01 thru $ANS-116.03. However, KITSAT-A is based on the UO-22 design with a 9600 baud PACSAT Communications Experiment (PCE) and a CCD camera for earth image processing. A new experiment flying aboard KITSAT-A that was not present on UO-22 will be the Digital Signal Processing Experiment (DSPE). The DSPE will support a variety of speech synthesis experiments including store-and-forward speech relay, voice telemetry and message broadcasts, and high-speed modulation techniques. Before KITSAT-A is launched, a detailed description and summary of frequencies will be published in the ANS. Those who are currently using UO-22 will be set to use KITSAT-A as soon as it is released for general use after a complete engineering check-out.

The following is a preliminary element set for KITSAT-A. These elements are provided so OSCAR users can get a "feel" for this particular orbit. No other OSCAR has ever been placed into this type of orbit. All are encouraged to insert these elements into your satellite tracking programs and observe the uniqueness of this orbit.

Satellite: KITSAT-A
Catalog number: 00001
Epoch time: 92224.00347223
Element set: 001
Inclination: 66.0420 deg
RA of node: 260.0000 deg
Eccentricity: .0004800
Arg of perigee: 65.3250 deg
Mean anomaly: 5.0000 deg
Mean motion: 12.82910000 rev/day
Decay rate: 0.000e-00 rev/day*2
Epoch rev: 0

/EX
SB SAT @ AMSAT $ANS-193.02
QSL CARD INFORMATION FOR STS-50

HR AMSAT NEWS SERVICE BULLETIN 193.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 11, 1992 BID: $ANS-193.02
TO ALL RADIO AMATEURS BT

ARRL Acts As QSL Bureau For STS-50/SAREX Mission

With the successful completion of the STS-50/SAREX mission this past week, those radio amateurs that made contact with the STS-50 astronauts and SWL can send their QSL cards to ARRL Headquarters at the following address:

ARRL
225 Main St.
Newington, CT
06111

attn: Rosalie White (WA1ST0) EAD
Please include a s.a.s.e with your QSL card to assure a prompt return of your STS-50/SAREX QSL card.

/EX
SB SAT @ AMSAT $ANS-193.03
AO-13 OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 193.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 11, 1992 BID: $ANS-193.03
TO ALL RADIO AMATEURS BT

AMSAT-NA AO-13 Operations Net Schedule

AMSAT Operations Nets are planned for the following times. Mode B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz and Mode J/L on a downlink of 435.970 MHz.

Date	UTC	Mode	Phs	NCS	Alt
19-Jul-92	0000	B	164	WJ9F	WA5ZIB
1-Aug-92	2000	B	168	VE2LVC	W9ODI
8-Aug-92	2330	B	165	W7NQM	W5IU

Guest commentators are planned. Join the Net if you have questions. In the unlikely event that either the Net Control Station (NCS) or the alternate NCS does not call on frequency, any participant is invited to act as the NCS.

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Slow Scan Television On A0-13

The SSTV net will meet on a downlink frequency of 145.925 MHz, Mode B at MA 165, UTC Sundays. Also try Mode J, UTC Saturdays at MA 165, on a downlink frequency of 435.980 MHz. Try the various AMSAT Nets for scheduling at other times.

/EX
SB SAT @ AMSAT $ANS-193.04
FO-20 MODE JA TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 193.04 FROM AMSAT HQ
SILVER SPRING, MD JULY 11, 1992 BID: $ANS-193.04
TO ALL RADIO AMATEURS BT

FO-20 Mode JA Transponder Schedule

15-Jul-92 01:15 UTC until 16-Jul-92 01:35 UTC
22-Jul-92 01:40 UTC until 23-Jul-92 01:55 UTC

FO-20 Mode JA Transponder Frequencies

Telemetry Beacon	435.795 MHz (CW)
Mode JA Uplink	145.900 - 146.000 MHz (SSB, CW)
Mode JA Downlink	435.800 - 435.900 MHz (SSB, CW, Inverting)

/EX

SB SAT @ AMSAT $ANS-193.05
SUMMER AO-13 TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 193.05 FROM AMSAT HQ
SILVER SPRING, MD JULY 11, 1992 BID: $ANS-193.05
TO ALL RADIO AMATEURS BT

AO-13 Late Summer Schedule Announced
The current schedule for AO-13 is as follows:

N QST 1992 May 08 AO-13 Transponder Schedule Jun 10 - Jul 20
Mode-B : MA 000 to MA 165 ! Mode-JL on Mon, Wed !
Mode-JL : MA 165 to MA 200 ! Fri and Sat UTC only. ! Alon/Alat
Mode-LS : MA 200 to MA 215 ! S Beacon on "L" days ! 210/1
Mode-B : MA 215 to MA 256 ! S Transp on "B" days +----------/
Omnis : MA 250 to MA 060 ! Mode L OFF after Jun 29 until
Aug 17. Next attitude change Jul 20, to 150/0 until Sep 21.
73 de Peter DB2OS, James G3RUH and Graham VK5AGR.

--->PLEASE NOTE THAT AO-13 IS IN MODE B UNTIL AUGUST 17TH!!<---

AO-13 Transponder Schedule 1992 Aug 17 - Sep 21

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 Mode-B  : MA   0 to MA  40 !  from 1992 Aug 17 until Sep 21
 Mode-S  : MA  40 to MA  50 !<- S transponder; B trsp. is OFF!
 Mode-LS : MA  50 to MA  55 !<- S beacon + L transponder
 Mode-JL : MA  55 to MA  70 !   This schedule operates
 Mode-B  : MA  70 to MA 256 !   every orbit, every day.
 Omnis   : MA 160 to MA  10 !     Alon/Alat 150/0
 Please DON'T uplink to mode-B MA 40-50; interferes with mode S.
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Calendar Of Events For AO-13 To The End Of 1992

Date	Event	Modes	Sun Angle	Suns Position SEL/SAZ
1992 Jul 20 [Mon]	Move to 150/0	B -- -	43 to 44	-34/176
1992 Aug 17 [Mon]	JLS ON	B JL S	28	-26/208
1992 Sep 21 [Mon]	Move to 180/0	B JL S	-1 to 29	-2/241
1992 Nov 23 [Mon]	Move to 210/0	B JL S	-29 to -4	33/305
1992 Dec 14 [Mon]	JLS OFF	B -- -	-27	33/333
1992 Dec 28 [Mon]	t.b.a.		43	29/351

AO-10 is currently available for Mode B operation when it is view of your QTH. PLEASE DO NOT attempt to use AO-10 if you hear the beacon or the transponder signals FMing.

/EX